



Hertford County

Contaminant	Number of wells tested	Minimum	Maximum	Average	Maximum Contaminant Level (MCL) * Secondary MCL	Units	Number of wells tested above MCL	Percentage of wells tested above MCL	Number of wells below MCL	Percentage of wells tested below MCL
1,2-Dibromomethane	4	0.25	0.25	0.25	0.05	µg/L	0	0.00%		
1,2-Dichloropropane	4	0.25	0.25	0.25	5	µg/L	0	0.00%		
Arsenic	68	0.5	5	1.6	10	µg/L	0	0.00%		
Barium	34	50	50	50	2,000	µg/L	0	0.00%		
Benzene	4	0.25	0.25	0.25	5	µg/L	0	0.00%		
Cadmium	34	0.5	0.5	0.5	5	µg/L	0	0.00%		
Chromium	34	5	5	5	100	µg/L	0	0.00%		
cis-1,2-Dichloroethene (c-DCE)	7	0.25	0.25	0.25	70	µg/L	0	0.00%		
Copper	68	25	170	30.4	1,300*	µg/L	0	0.00%		
Ethylbenzene	4	0.25	0.25	0.25	700	µg/L	0	0.00%		
Fluoride	81	100	2,960.00	911.20	4,000*	µg/L	0	0.00%		
Iron	68	20	10,110.00	590.10	300*	µg/L	16	23.53%		
Isopropyl Ether	4	0.25	0.25	0.25	No drinking water standard	µg/L				
Lead	84	2.5	26	3.1	15	µg/L	1	1.19%		
Magnesium	68	1,700	1,700.00	1,700.00	No drinking water standard	µg/L				
Manganese	68	15	1,030.00	55.30	50*	µg/L	16	23.53%		

Contaminant	Number of wells tested	Minimum	Maximum	Average	Maximum Contaminant Level (MCL) * Secondary MCL	Units	Number of wells tested above MCL	Percentage of wells tested above MCL	Number of wells below MCL	Percentage of wells tested below MCL
Mercury	32	0.3	0.3	0.3	2	µg/L	0	0.00%		
Methyl tertiary butyl ether (MTBE)	7	0.25	0.25	0.25	20* (recommended taste and odor threshold)	µg/L	0	0.00%		
Nitrate	75	500	10,810.00	1,356.30	10,000	µg/L	0	0.00%		
Nitrite	96	50	50	50	1,000	µg/L	0	0.00%		
pH	68	4.7	8.6	7.55	6.5-8.5*	standard units	3	4.41%	12	17.65%
Selenium	34	2.5	2.5	2.5	50	µg/L	0	0.00%		
Silver	34	25	25	25	100*	µg/L	0	0.00%		
Sodium	32	1,000	133,000.00	16,375.00	No drinking water standard	µg/L				
Tetrachloroethylene (PCE)	7	0.25	0.25	0.25	5	µg/L	0	0.00%		
Toluene	4	0.25	0.25	0.25	1,000	µg/L	0	0.00%		
trans-1,2-Dichloroethene (t-DCE)	7	0.25	0.25	0.25	100	µg/L	0	0.00%		
Trichloroethylene (TCE)	7	0.25	0.25	0.25	5	µg/L	0	0.00%		
Vinyl chloride	7	0.25	0.25	0.25	2	µg/L	0	0.00%		
Xylenes (Total)	4	0.25	0.25	0.25	10,000	µg/L	0	0.00%		
Zinc	68	25	46,180.00	854.90	5,000*	µg/L	2	2.94%		

* **Secondary MCL:** Secondary contaminants may cause cosmetic effects (such as skin or tooth discoloration) or aesthetic effects (such as taste, odor, or color) in drinking water.⁸ The **Secondary Maximum Contaminant Level (SMCL)** is a non-enforceable standard for secondary contaminants in drinking water. SMCLs may be based upon a contaminant's likelihood to cause changes to the taste, odor, or color of drinking water, or, may be based on the likelihood of the contaminant to cause technical changes such as damage to water fixtures or an increased availability of other contaminants in drinking water.⁸

Tracking and Analyzing Contaminants (TrAC) in Private Well Water in NC

UNC Superfund Research Program- Research Translation Core

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